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OM protein - protein search, using sw model

Run on: August 14, 2002, 10:51:54 ; Search time 27.32 Seconds

(without alignments)
27.716 Million cell updates/sec

Title: US-09-785-059-3

Perfect score: 176
Sequence: 1 RWIRVQRCRAIRHRIIRIGLRRLRV 31Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 200000000Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

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6: /cgn2_6/ptodata/2/1aa/backfiles1.pep:*

Pred. NO. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	99	56.2	28	1 US-08-786-748A-160	Sequence 160, App
2	99	56.2	28	2 US-08-932-682-160	Sequence 160, App
3	94	53.4	28	1 US-08-786-748A-14	Sequence 14, Appl
4	94	53.4	28	1 US-08-786-748A-19	Sequence 19, Appl
5	94	53.4	28	1 US-08-786-748A-24	Sequence 24, Appl
6	94	53.4	28	2 US-08-932-682-14	Sequence 14, Appl
7	94	53.4	28	2 US-08-932-682-19	Sequence 19, Appl
8	94	53.4	28	2 US-08-932-682-24	Sequence 24, Appl
9	89	50.6	28	1 US-08-786-748A-1	Sequence 1, Appl
10	89	50.6	28	1 US-08-786-748A-16	Sequence 16, Appl
11	89	50.6	28	1 US-08-786-748A-26	Sequence 26, Appl
12	89	50.6	28	2 US-08-932-682-1	Sequence 1, Appl
13	89	50.6	28	2 US-08-932-682-16	Sequence 16, Appl
14	89	50.6	28	2 US-08-932-682-26	Sequence 26, Appl
15	89	50.6	338	3 US-08-486-099-90	Sequence 90, Appl
16	89	50.6	338	3 US-08-360-107A-100	Sequence 100, App
17	89	50.6	338	3 US-08-484-223B-90	Sequence 90, Appl
18	89	50.6	338	3 US-08-919-597-90	Sequence 90, Appl
19	89	50.6	338	3 US-08-475-668A-90	Sequence 90, Appl
20	89	50.6	338	3 US-08-485-551A-90	Sequence 90, Appl
21	89	50.6	338	4 US-08-471-913A-90	Sequence 90, Appl
22	89	50.6	338	4 US-08-485-264A-90	Sequence 90, Appl
23	89	50.6	338	4 US-08-474-349A-90	Sequence 90, Appl
24	89	50.6	345	4 US-09-272-342B-7	Sequence 7, Appl
25	89	50.6	839	4 US-08-472-240A-10	Sequence 10, Appl
26	89	50.6	856	4 US-07-916-098A-2	Sequence 14, Appl
27	89	50.6	861	1 US-08-127-499A-14	Sequence 14, Appl

28	89	50.6	861	1 US-08-482-847-14	Sequence 14, Appl
29	89	50.6	861	4 US-07-956-483-10	Sequence 10, Appl
30	89	50.6	861	4 US-07-956-483-16	Sequence 16, Appl
31	89	50.6	861	4 US-08-472-240A-1	Sequence 1, Appl
32	89	50.6	861	4 US-08-472-240A-7	Sequence 7, Appl
33	85	48.3	28	1 US-08-786-748A-15	Sequence 15, Appl
34	85	48.3	28	1 US-08-786-748A-25	Sequence 25, Appl
35	85	48.3	28	2 US-08-932-682-15	Sequence 25, Appl
36	85	48.3	28	2 US-08-932-682-25	Sequence 25, Appl
37	84	47.7	28	1 US-08-786-748A-162	Sequence 162, App
38	84	47.7	28	1 US-08-786-748A-163	Sequence 163, App
39	84	47.7	28	2 US-08-932-682-162	Sequence 163, App
40	84	47.7	28	2 US-08-932-682-163	Sequence 164, App
41	83	47.2	28	1 US-08-786-748A-164	Sequence 164, App
42	83	47.2	28	1 US-08-786-748A-165	Sequence 165, App
43	83	47.2	28	2 US-08-932-682-164	Sequence 164, App
44	83	47.2	28	2 US-08-932-682-165	Sequence 165, App
45	81	46.0	28	1 US-08-786-748A-27	Sequence 27, Appl

ALIGNMENTS

RESULT 1
US-08-786-748A-160
; Sequence 160, Application US/08786748A
; Patent No. 5714577
; GENERAL INFORMATION:
; APPLICANT: Ronald, Montelaro C.
; APPLICANT: Tencza, Sarah B.
; APPLICANT: Metzner, Timothy A.
; TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES
; NUMBER OF SEQUENCES: 169
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10112-0228
; COMPUTER READABLE FORM:
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/786,748A
; FILING DATE: 24-JAN-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/010,634
; FILING DATE: 26-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Rochelle K. Seide
; REGISTRATION NUMBER: 32,300
; REFERENCE/DOCKET NUMBER: AP30421
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-408-2500
; TELEFAX: 212-765-2519
; INFORMATION FOR SEQ ID NO: 160:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: NO. 5714577e
; US-08-786-748A-160

Query Match 56.2%; Score 99; DB 1; Length 28;
Best local Similarity 82.1%; Pred. No. 4; le-07;
Matches 23; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

OY 1 RWIRVQRCRAIRHRRIRROGLRRWL 28
| | | | | | | | | | | | | | | | |
DB 1 RWIRVQACRAIRHRRIRROGLRRIL 28

RESULT 2
US-08-932-682-160
; Sequence 160, Application US/08932682
; Patent No. 5945507
; GENERAL INFORMATION:
; APPLICANT: Ronald, Montelaro C.
; APPLICANT: Tencza, Sarah B.
; APPLICANT: Mietzner, Timothy A.
; TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES
; NUMBER OF SEQUENCES: 169
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BAKER & BOTS, L.L.P.
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10112-0228
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: FASTSEQ Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/932,682
; FILING DATE: 18-SEP-1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/786,748
; FILING DATE: 24-JAN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Rochelle K. Seide
; REGISTRATION NUMBER: 32,300
; REFERENCE/DOCKET NUMBER: AP30421-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-705-5000
; TELEFAX: 212-765-2519
; INFORMATION FOR SEQ ID NO: 160:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 5945507e
US-08-932-682-160

Query Match 56.2%; Score 99; DB 2; Length 28;
Best Local Similarity 82.1%; Pred. No. 4.1e-07;
Matches 23; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

OY 1 RWIRVQRCRAIRHRRIRROGLRRWL 28
| | | | | | | | | | | | | | | | |
DB 1 RWIRVQACRAIRHRRIRROGLRRIL 28

RESULT 3
US-08-786-748A-14
; Sequence 14, Application US/08786748A
; Patent No. 5714577
; GENERAL INFORMATION:
; APPLICANT: Ronald, Montelaro C.
; APPLICANT: Tencza, Sarah B.
; APPLICANT: Mietzner, Timothy A.
; TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES
; NUMBER OF SEQUENCES: 169
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brunbaugh, Graves, Donohue & Raymond
; STREET: 30 Rockefeller Plaza

CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10112-0228
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/786,748A
FILING DATE: 24-JAN-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/010,634
FILING DATE: 26-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Rochelle K. Seide
REGISTRATION NUMBER: 32,300
REFERENCE/DOCKET NUMBER: AP30421
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-408-2500
TELEFAX: 212-765-2519
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 5714577e
US-08-786-748A-14

Query Match 53.4%; Score 94; DB 1; Length 28;
Best Local Similarity 78.6%; Pred. No. 1.9e-06;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

OY 1 RWIRVQRCRAIRHRRIRROGLRRWL 28
| | | | | | | | | | | | | | | | |
DB 1 RWIRVQACRAIRHRRIRROGLRRIL 28

RESULT 4
US-08-786-748A-19
; Sequence 19, Application US/08786748A
; Patent No. 5714577
; GENERAL INFORMATION:
; APPLICANT: Ronald, Montelaro C.
; APPLICANT: Tencza, Sarah B.
; APPLICANT: Mietzner, Timothy A.
; TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES
; NUMBER OF SEQUENCES: 169
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brunbaugh, Graves, Donohue & Raymond
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10112-0228
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/786,748A
; FILING DATE: 24-JAN-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/010,634
; FILING DATE: 26-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Rochelle K. Seide

3
REGISTRATION NUMBER: 32,300
REFERENCE/DOCKET NUMBER: AP30421
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-408-2500
TELEFAX: 212-765-2519
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 5714577e
US-08-786-748A-19

Query Match 53.4%; Score 94; DB 1; Length 28;
Best Local Similarity 78.6%; Pred. No. 1.9e-06;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

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1 RMRVQWRCRAIRHRIIRIGLRRRL 28
1 RMRVQWRCRAIRHRIIRIGLRRRL 28

RESULT 5
US-08-786-748A-24
Sequence 24, Application US/08786748A
Patent No. 5714577
GENERAL INFORMATION:
APPLICANT: Ronald, Montelaro C.
APPLICANT: Mietzner, Sarah B.
APPLICANT: Mietzner, Timothy A.
TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES
NUMBER OF SEQUENCES: 169
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10112-0228
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/786,748A
FILING DATE: 24-JAN-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/010,634
FILING DATE: 26-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Rochelle K. Seide
REGISTRATION NUMBER: 32,300
REFERENCE/DOCKET NUMBER: AP30421
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-408-2500
TELEFAX: 212-765-2519
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 5714577e
US-08-786-748A-24

Query Match 53.4%; Score 94; DB 1; Length 28;
Best Local Similarity 78.6%; Pred. No. 1.9e-06;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

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1 RMRVQWRCRAIRHRIIRIGLRRRL 28
1 RMRVQWRCRAIRHRIIRIGLRRRL 28

RESULT 6
US-08-932-682-14
Sequence 14, Application US/08932682
Patent No. 5945507
GENERAL INFORMATION:
APPLICANT: Ronald, Montelaro C.
APPLICANT: Mietzner, Sarah B.
APPLICANT: Mietzner, Timothy A.
TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES
NUMBER OF SEQUENCES: 169
CORRESPONDENCE ADDRESS:
ADDRESSEE: BAKER & BOTTS, L.L.P.
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10112-0228
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/932,682
FILING DATE: 18-SEP-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/786,748
FILING DATE: 24-JAN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Rochelle K. Seide
REGISTRATION NUMBER: 32,300
REFERENCE/DOCKET NUMBER: AP30421-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-705-5000
TELEFAX: 212-765-2519
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 5945507e
US-08-932-682-14

Query Match 53.4%; Score 94; DB 2; Length 28;
Best Local Similarity 78.6%; Pred. No. 1.9e-06;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

OY 1 RMRVQWRCRAIRHRIIRIGLRRRL 28
1 RMRVQWRCRAIRHRIIRIGLRRRL 28
1 RMRVQWRCRAIRHRIIRIGLRRRL 28

RESULT 7
US-08-932-682-19
Sequence 19, Application US/08932682
Patent No. 5945507
GENERAL INFORMATION:
APPLICANT: Ronald, Montelaro C.
APPLICANT: Mietzner, Sarah B.
APPLICANT: Mietzner, Timothy A.
TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES
NUMBER OF SEQUENCES: 169
CORRESPONDENCE ADDRESS:
ADDRESSEE: BAKER & BOTTS, L.L.P.

RESULT 8
US-08-932-682-24
Sequence 24, Application US/08932682
Patent No. 5943507
GENERAL INFORMATION:
APPLICANT: Ronald, Montelaro C.
APPLICANT: Tencza, Sarah B.
APPLICANT: Mietzner, Timothy A.
TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES
NUMBER OF SEQUENCES: 169
CORRESPONDENCE ADDRESS:
ADDRESSEE: BAKER & BOTS, L.L.P.
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10112-0228
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/932.682
FILING DATE: 18-SEP-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/786,748
FILING DATE: 24-JAN-1997
ATTORNEY/AGENT INFORMATION:

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1      RESULT 9
2      US-08-786-748A-1
3      : Sequence 1, Application US/08786748A
4      : Patent No. 5714577
5      :
6      : GENERAL INFORMATION:
7      : APPLICANT: Ronald, Montelaro C.
8      : APPLICANT: Tencza, Sarah B.
9      : APPLICANT: Mieterne, Timothy A.
10     : TITLE OF INVENTION: NOVEL ANTIMICROBIAL PEPTIDES
11     : NUMBER OF SEQUENCES: 169
12     : CORRESPONDENCE ADDRESS:
13     : ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond
14     : STREET: 30 Rockefeller Plaza
15     : CITY: New York
16     : STATE: New York
17     : COUNTRY: USA
18     : ZIP: 10112-0228
19     : COMPUTER READABLE FORM:
20     : MEDIUM TYPE: Diskette
21     : COMPUTER: IBM Compatible
22     : OPERATING SYSTEM: DOS
23     : SOFTWARE: FASTSEQ Version 2.0
24     : CURRENT APPLICATION DATA:
25     : APPLICATION NUMBER: US/08/786.748A
26     : FILING DATE: 24-JAN-1997
27     : CLASSIFICATION: 514
28     : PRIOR APPLICATION DATA:
29     : APPLICATION NUMBER: 60/010,634
30     : FILING DATE: 26-JAN-1996
31     : ATTORNEY/AGENT INFORMATION:
32     : NAME: Rochelle K. Seide
33     : REGISTRATION NUMBER: 32,300
34     : REFERENCE/DOCKET NUMBER: AP30421
35     : TELECOMMUNICATION INFORMATION:
36     : TELEPHONE: 212-408-2500
37     : TELEFAX: 212-765-2519
38     : INFORMATION FOR SEQ ID NO: 1:
39     : SEQUENCE CHARACTERISTICS:
40     : LENGTH: 28 amino acids
41     : TYPE: amino acid
42     : STRANDEDNESS: single
43     : TOPOLOGY: linear
44     : MOLECULE TYPE: NO. 5714577e
45     :
46     : US-08-786-748A-1

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Query Match	50.68;	Score 89;	DB 1;	Length 28;
Best Local Similarity	75.08;	Pred. No. 8.9e-06;		

Query Match	50.6%;	Score 89;	DB 2;	Length 28;
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APPLICANT: Lambert, Dennis M.

21